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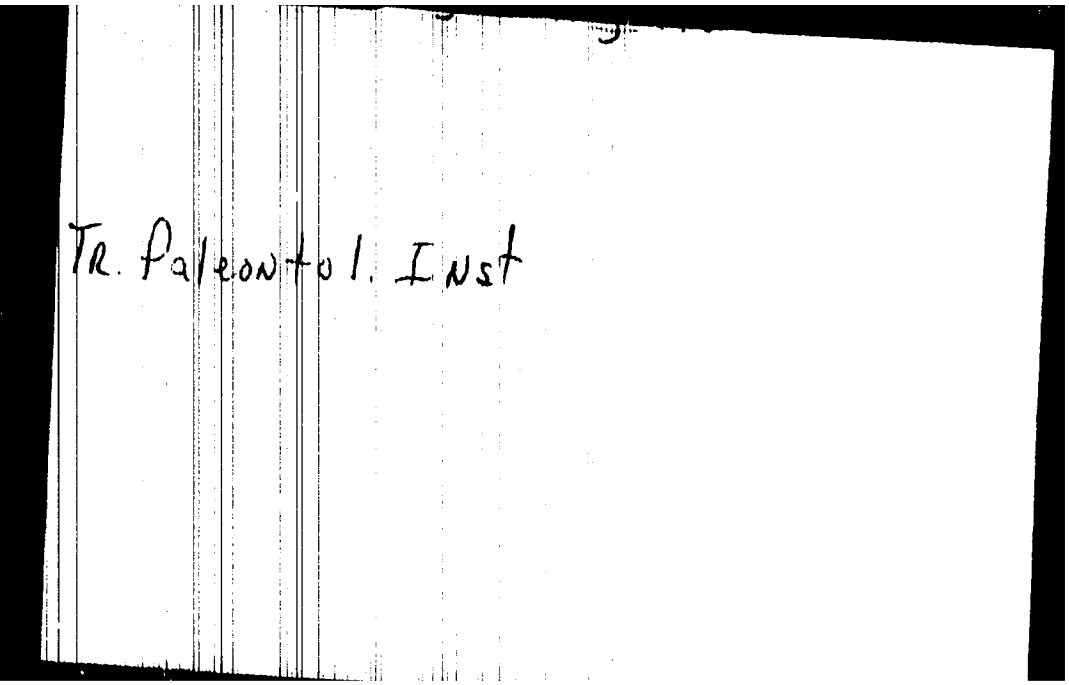

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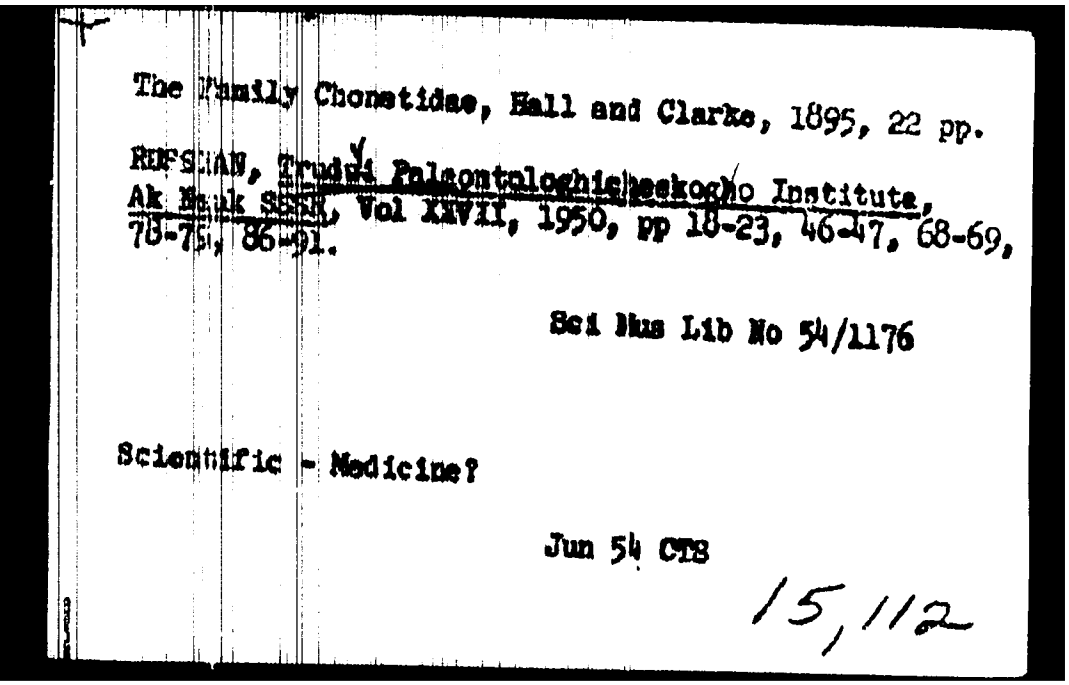

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DESCRIPTORS: *Geology, Periodicals, Paleontology, Geophysics, Seismographs, Structural geology, Economic geology, Granite, Natural gas, Oils, Well logging, Gamma counters, Geophysical prospecting, Reviews
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DESCRIPTORS: *Taxonomy, *Paleontology, Geology,

Topics include: interrelationship between systematics and phylogeny; validity of taxonomic categories; characters of taxonomic categories; problem of transition in systematics; chronological principle; principle of homology; ontogenetic principle; principle of the basic link. (See also TT-63-17713-8)

(Earth Sciences--Geology, TT, v. 11, no. 4)

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Topics include: equivalence of taxonomic categories in neontology and paleontology; the order as a taxonomic category; the family as a taxonomic category; the genus; the species; taxonomic categories within the species. (See also TT-63-17713-9, p. 1164-1192)

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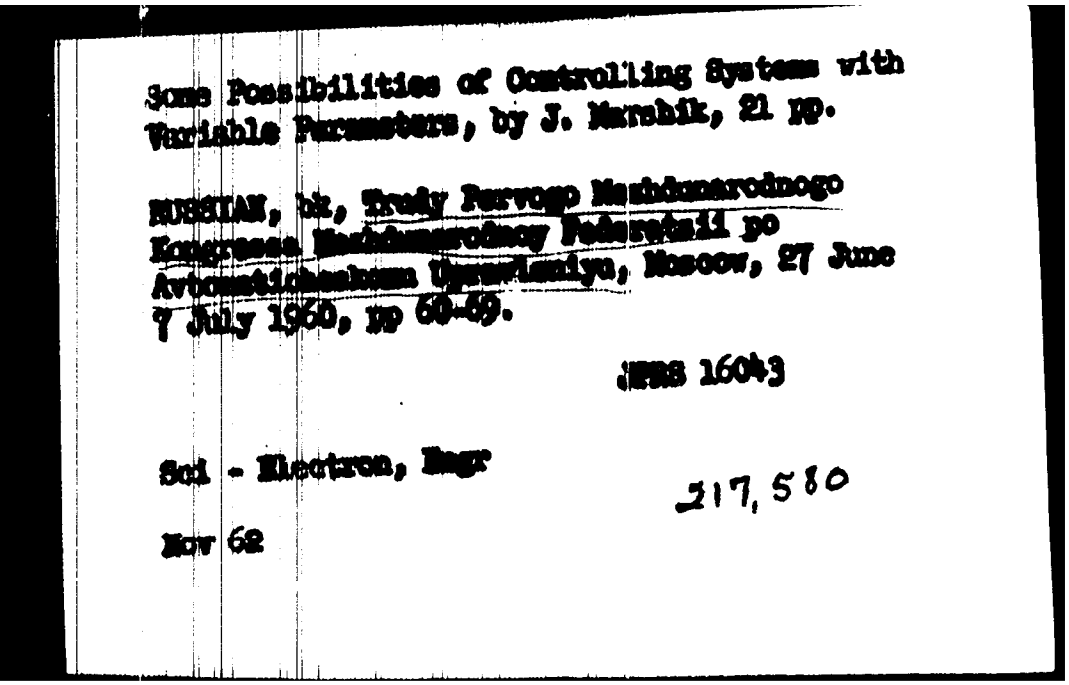

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[illegible] Nauchnomarodnoy Federatsii po
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JPRS 16043

Sol - Electron, Engr

217,581

Nov 62

APPROVED FOR RELEASE: Wednesday, May 22, 2002 CIA-RDP91-00772R000100100065-5

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AIR/FTD/HT-23-1473-67

Sci-Atmospheric Sci
Nov 68

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APPROVED FOR RELEASE: Wednesday, May 22, 2002 CIA-RDP91-00772R000100100065-5

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AF 1187250

78,447

Sci - Chem
Jan 58
USSR
Econ - Industry

APPROVED FOR RELEASE: Wednesday, May 22, 2002 CIA-RDP91-00772R000100100065-5

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WORKS OF THE FIRST CONFERENCE ON NEOTECTONICS IN CHINA, BY V. N. PAVLINOV, 269 PP.

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JPRS 19815

FE -CHINA
ECON
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APPROVED FOR RELEASE: Wednesday, May 22, 2002 CIA-RDP91-00772R000100100065-5

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Hydrological Calculations in the Regulations of Flow for Variable Irrigational Requirements, by M. V. Potapov,

RUSSIAN, bk, Trudy Razvitiye Soveshchaniya po Regulirovaniya Stoka, Moscow/Leningrad, 1940, ppubl in 1946, 344 pp, pp 139-143.

INSDOC
National Physical Lab
Hillside Road
New Delhi-12, India

37,895

Sci - Engineering, Physics

APPROVED FOR RELEASE: Wednesday, May 22, 2002 CIA-RDP91-00772R000100100065-5

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RUSSIAN, bk, Trudy Pervogo Soveshchaniya po Regulirovaniyu Stoka, Moscow/Leningrad, 1940, publ by 1946, [illegible] pp, pp 182-187.

INSDOC
National Physical Lab
Hillside Road
New Delhi-12, India

Sci - Engineering, [illegible] 37,894

Aug 1956

APPROVED FOR RELEASE: Wednesday, May 22, 2002 CIA-RDP91-00772R000100100065-5

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Research and Development in Meteorology, by
S. A. Sapozhnikova, 15 pp.
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Meteorologicheskogo [illegible], Vol IV, 1962.

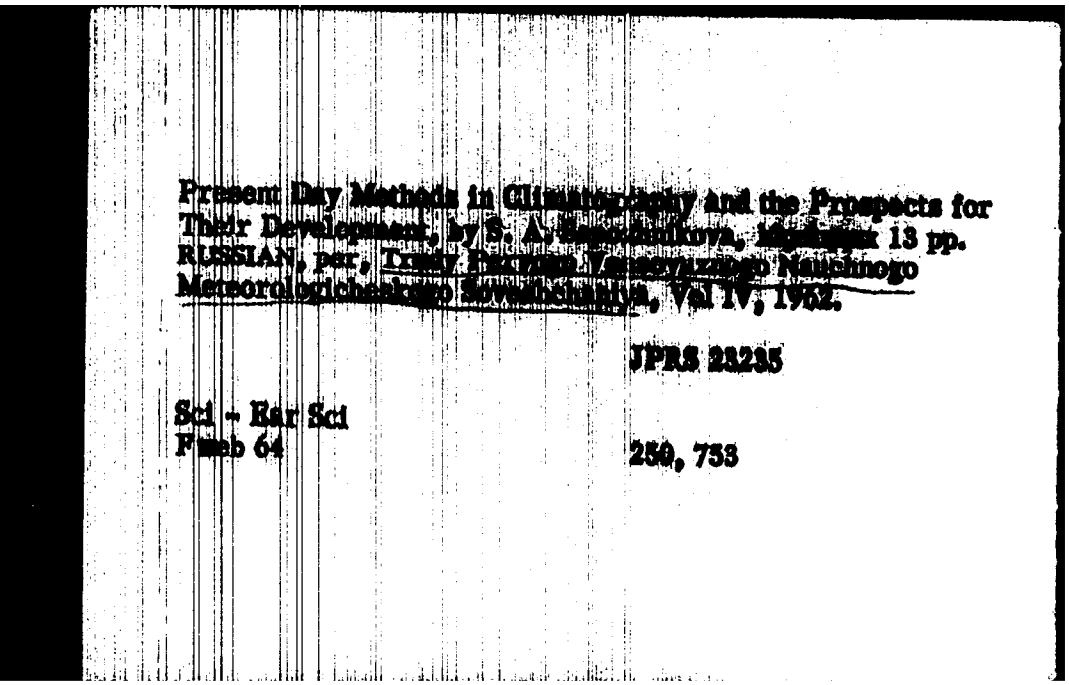
JPRS 23235

Sci - Ear Sci
Feb 64

250, 753

APPROVED FOR RELEASE: Wednesday, May 22, 2002 CIA-RDP91-00772R000100100065-5

APPROVED FOR RELEASE: Wednesday, May 22, 2002 CIA-RDP91-00772R000100100065-5



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JPRS 28235

Sci - Nat Sci
Feb 64

250, 753

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Sci Trans Center
RT-2732

Scientific - Chemistry [dex only]

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APPROVED FOR RELEASE: Wednesday, May 22, 2002 CIA-RDP91-00772R000100100065-5

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Dept of Interior
Fish and Wildlife Service
BCF, Bureau of Foreign Fisheries

USSR
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APPROVED FOR RELEASE: Wednesday, May 22, 2002 CIA-RDP91-00772R000100100065-5

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Selection and Study of Carrots Hybrids,
by A. K. Litvinova,
RUSSIAN, per, Trudy Plodov. Inst. Im.
I. V. Michurina, No 12, 1961, pp 65-71.
NAL NRS 3562
(On Loan or Purchase)

Sci-Agri
Apr 67

324.048

APPROVED FOR RELEASE: Wednesday, May 22, 2002 CIA-RDP91-00772R000100100065-5

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Material for a Quantitative Study of the Bottom Fauna of the Barents and White Seas, by L. A. Zenkewitsch.

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APPROVED FOR RELEASE: Wednesday, May 22, 2002 CIA-RDP91-00772R000100100065-5

Soils of Altai-Sayan Region, by B. F. Petrov,
p.

RUSSIAN, per, Trudy Pochvennyy Inst Ak Nauk SSSR,
1952, Vol XXXV, pp 27-31. 9076393

SLA 59-14995

OTS-60-51167

PL-730

108191

Sci
Feb 60
Vol 2, No 12

APPROVED FOR RELEASE: Wednesday, May 22, 2002 CIA-RDP91-00772R000100100065-5

APPROVED FOR RELEASE: Wednesday, May 22, 2002 CIA-RDP91-00772R000100100065-5

Makovskii, M. V.
STUDY OF FIELD MOISTURE CAPACITY OF PEAT SOILS OF THE BSSR WHEN IRRIGATED BY SPRINKLING (Issledovanie Polevoi Vlagoemkosti Torfyanykh Pochv BSSR pri Orosheni Ikh Dozhdevaniem). 1963, 13p. 7 refs. PL-480 Agr.
Order from OTS $0.50 63-11019

Trans. of [Belaruski Navukova-Dasledchy Instytut Meliyaratsyi i Vodnai Hiaspadarki]. Trudy (USSR) 1958, v. 8, p. 142-154.

DESCRIPTORS: *Soils, *Peat, *Moisture, Potential theory, Irrigation systems, Sprinklers, Measurement, Tests.

(Agriculture--Plant Cultivation, TT, v. 10, no. 3)

63-11019

I. Makovskii, M. V.
II. PL-480 Agr (63-11019)
III. National Science Foundation, Washington, D. C.

63-11019

Office of Technical Services

APPROVED FOR RELEASE: Wednesday, May 22, 2002 CIA-RDP91-00772R000100100065-5

APPROVED FOR RELEASE: Wednesday, May 22, 2002 CIA-RDP91-00772R000100100065-5

Gerasimov, G. P.
HUMUS-CARBONATE SOILS OF THE SOCHI DISTRICT AND THEIR TRANSITION TO BROWN FOREST SOILS (Peregnoino-Karbonatnye Pochvy Sochinskogo Raiona i Perekhod Ikh v Burye Lesnye Pochvy). 1963, 10p.
10 refs. PL-480 Agr.
Order from OTS $0.50 63-11078

Trans. of [Akademiya Nauk SSSR]. Pochvennyi Institut. Trudy. 1949, v. 30, p. 253-261.

DESCRIPTORS: *Organic materials, Carbonates, *Soils, *Soil mechanics, Forestry, Humidity, Climatology.

(Agriculture--Plant Cultivation, TT, v. 10, no. 3)

63-11078

I. Title: Sochi
I. Gerasimov, G. P.
II. PL-480 Agr (63-11078)
III. National Science Foundation, Washington, D. C.

Office of Technical Services

APPROVED FOR RELEASE: Wednesday, May 22, 2002 CIA-RDP91-00772R000100100065-5

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Characteristics of the Soil Cover of Baraba, by
B. F. Petrov, 131 pp.

RUSSIAN, per, Trudy Pochvennogo Inst imeni V. V. Dokuchayeva, Ak Nauk SSSR, Vol XXXVI, 1952, pp 11-105. 9076593

OTS 60-51167
FL-480

154.013

Sci - Geophysics
May 61
PST No. 198

APPROVED FOR RELEASE: Wednesday, May 22, 2002 CIA-RDP91-00772R000100100065-5

APPROVED FOR RELEASE: Wednesday, May 22, 2002 CIA-RDP91-00772R000100100065-5

Soils of the Southern Taiga of the Trans-Ural Region, by E. N. Ivanova, 164 pp.

RUSSIAN, per, Trudy Pochvennogo Inst imeni V. V. Dokuchayeva, Ak Nauk SSSR, Vol XLIII, 1954, pp 5-128. 9076592

OTS 60-51173
PL-480

Sci - Geophysics
May 61.
PST No. 195

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APPROVED FOR RELEASE: Wednesday, May 22, 2002 CIA-RDP91-00772R000100100065-5

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The Reactions of Anion Exchange, by I. P. Serdobal'skiy, 8 pp.

RUSSIAN, per, Trudy Pochvennogo Inst im V. V. Dokuchaeva, Akad Nauk SSSR, No 7, 1955, pp 67-73.

SLA R-2146

Sci

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APPROVED FOR RELEASE: Wednesday, May 22, 2002 CIA-RDP91-00772R000100100065-5

APPROVED FOR RELEASE: Wednesday, May 22, 2002 CIA-RDP91-00772R000100100065-5

Boys and Girls at Work in the USSR,
by Alekei Antonov. 94 pp.
RUSSIAN, bk, Trud Podrostkov v SSSR,
Na Angliyskom Yazyke.
CIA FDD/ X-6204

Novosti Press agency Publishing House
USSR/
Apr 57

32[illegible]874

APPROVED FOR RELEASE: Wednesday, May 22, 2002 CIA-RDP91-00772R000100100065-5

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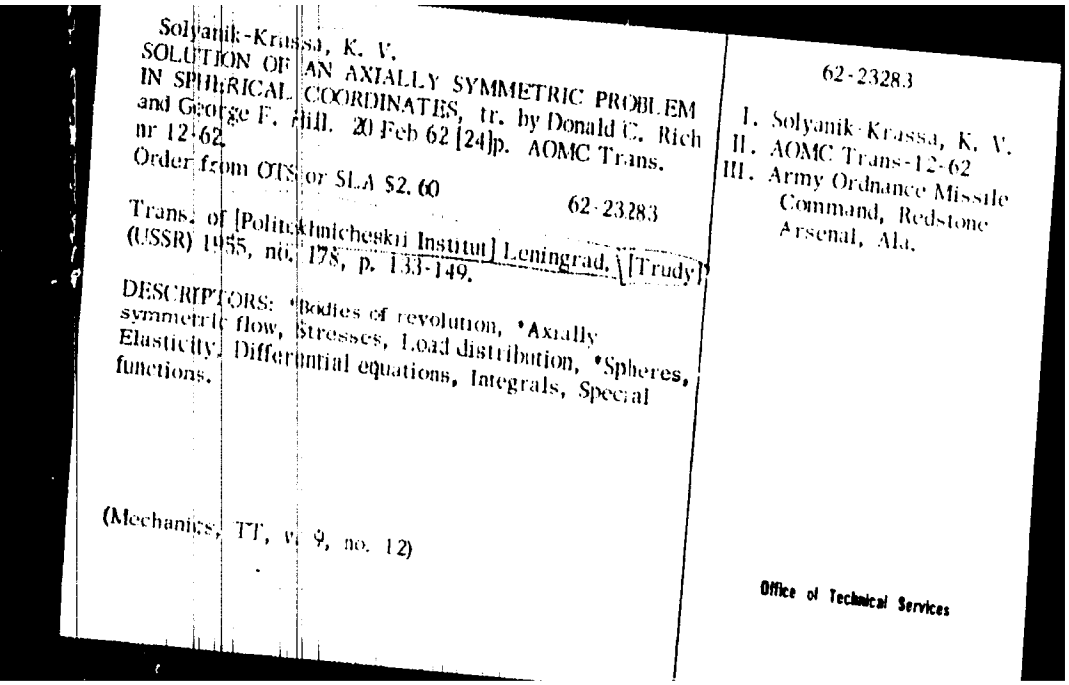


Solyanik-Krassa, K. V.
SOLUTION OF AN AXIALLY SYMMETRIC PROBLEM IN SPHERICAL COORDINATES, tr. by Donald C. Rich and George F. Hill. 20 Feb 62 [24]p. AOMC Trans. nr 12-62.
Order from OTS or SLA $2.60

62-23283

Trans. of [Politekhnicheskii Institut] Leningrad, [Trudy] (USSR) 1955, no. 178, p. 133-149.

DESCRIPTORS: *Bodies of revolution, *Axially symmetric flow, Stresses, Load distribution, *Spheres, Elasticity, Differential equations, Integrals, Special functions.

(Mechanics, TT, v. 9, no. 12)

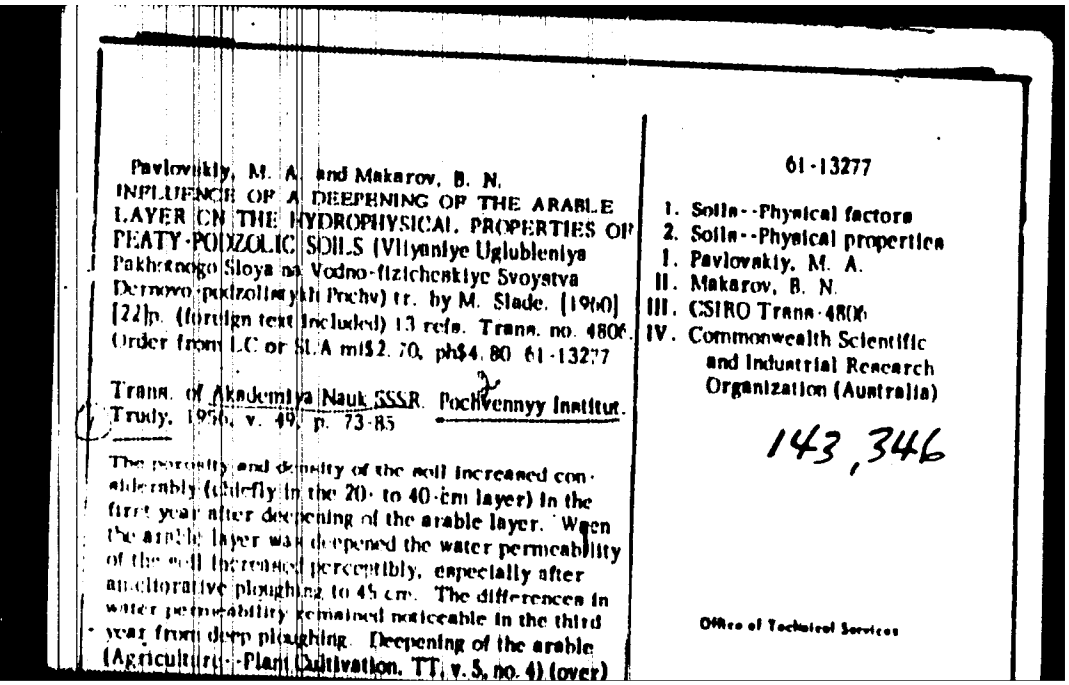
62-23283

I. Solyanik-Krassa, K. V.
II. AOMC Trans-12-62
III. Army Ordnance Missile Command, Redstone Arsenal, Ala.

Office of Technical Services

APPROVED FOR RELEASE: Wednesday, May 22, 2002 CIA-RDP91-00772R000100100065-5

APPROVED FOR RELEASE: Wednesday, May 22, 2002 CIA-RDP91-00772R000100100065-5



Pavlovskiy, M. A. and Makarov, B. N.
INFLUENCE OF A DEEPENING OF THE ARABLE LAYER ON THE HYDROPHYSICAL PROPERTIES OF PEATY-PODZOLIC SOILS (Vliyaniye Uglubleniya Pakhotnogo Sloya na Vodno-fizicheskiye Svoystva Dernovo-podzolistykh Pochv) tr. by M. Slade. [1960] [22]p. (foreign text included) 13 refs. Trans. no. 4806. Order from LC or SLA ms$2.70, ph$4.80 61-13277

Trans. of Akademiya Nauk SSSR. Pochvennyy Institut. Trudy. 1956, v. 49, p. 73-85

The porosity and density of the soil increased considerably (chiefly in the 20- to 40-cm layer) in the first year after deepening of the arable layer. When the arable layer was deepened the water permeability of the soil increased perceptibly, especially after ameliorative ploughing to 45 cm. The differences in water permeability remained noticeable in the third year from deep ploughing. Deepening of the arable (Agriculture--Plant Cultivation, TT, v. 5, no. 4) (over)

61-13277

1. Soils--Physical factors
2. Soils--Physical properties
I. Pavlovskiy, M. A.
II. Makarov, B. N.
III. CSIRO Trans-4806
IV. Commonwealth Scientific and Industrial Research Organization (Australia)

143,346

Office of Technical Services

APPROVED FOR RELEASE: Wednesday, May 22, 2002 CIA-RDP91-00772R000100100065-5

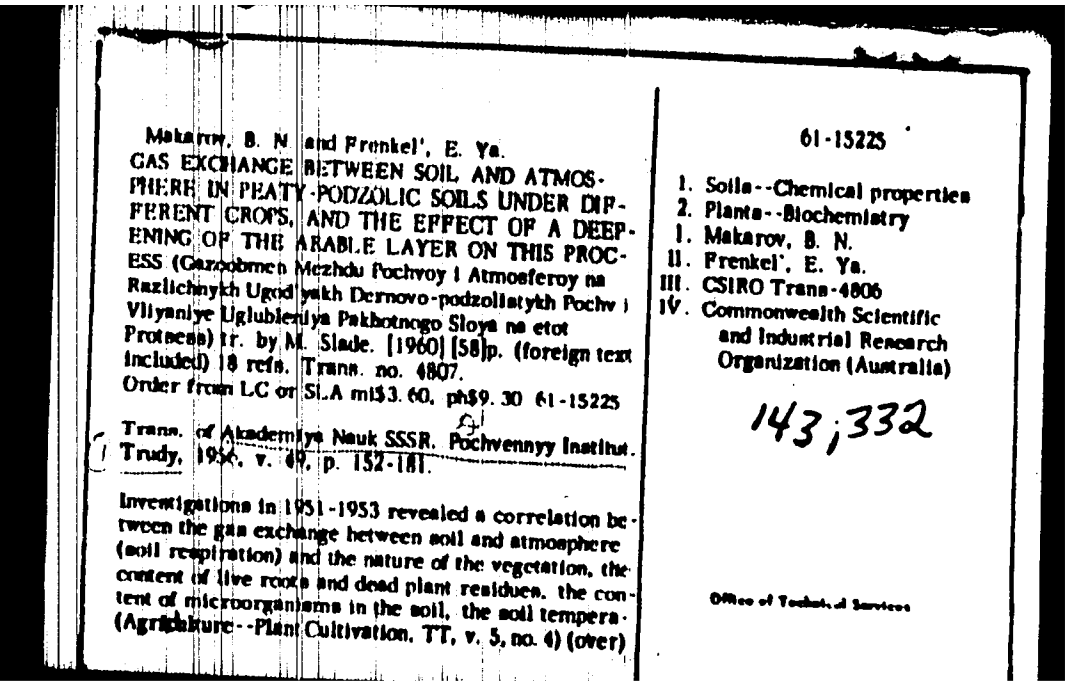
APPROVED FOR RELEASE: Wednesday, May 22, 2002 CIA-RDP91-00772R000100100065-5

layer by means of ameliorative ploughing improved the structure of peaty-podzolic soils: the content of water-resistant crumbs was 3 to 6 % higher than after the usual ploughing. Deepening of the arable horizon of lightly cultivated peaty medium-podzolic soil increased the content of total and available moisture in the 0 to 60 cm layer. The content of total moisture increased sharply after ploughing to 45- and 60-cm depth. The increase in the water supply of the plants, in moisture capacity, pore content, and permeability to water upon deepening of the arable layer is due to the loosening and mixing of the transition, illuvial, and peaty horizons. (See also 61-1525)

PB- 61-1327

APPROVED FOR RELEASE: Wednesday, May 22, 2002 CIA-RDP91-00772R000100100065-5

APPROVED FOR RELEASE: Wednesday, May 22, 2002 CIA-RDP91-00772R000100100065-5



Makarov, B. N. and Frenkel', E. Ya.
GAS EXCHANGE BETWEEN SOIL AND ATMOSPHERE IN PEATY-PODZOLIC SOILS UNDER DIFFERENT CROPS, AND THE EFFECT OF A DEEPENING OF THE ARABLE LAYER ON THIS PROCESS (Gazoobmen Mezhdu Pochvoy i Atmosferoy na Razlichnykh Ugod'yakh Dernovo-podzolistykh Pochv i Vliyaniye Uglubleniya Pakhotnogo Sloya na etot Protsess) tr. by M. Slade. [1960] [58]p. (foreign text included) 18 refs. Trans. no. 4807.
Order from LC or SLA ml53.60, ph$9.30 61-15225

Trans. of Akademiya Nauk SSSR. Pochvennyy Institut. Trudy, 1956. v. 49. p. 152-181.

Investigations in 1951-1953 revealed a correlation between the gas exchange between soil and atmosphere (soil respiration) and the nature of the vegetation, the content of live roots and dead plant residues, the content of microorganisms in the soil, the soil tempera- (Agriculture--Plant Cultivation, TT, v. 5, no. 4) (over)

61-15225

1. Soils--Chemical properties
2. Plants--Biochemistry
I. Makarov, B. N.
II. Frenkel', E. Ya.
III. CSIRO Trans-4806
IV. Commonwealth Scientific and Industrial Research Organization (Australia)

143,332

Office of Technical Services

APPROVED FOR RELEASE: Wednesday, May 22, 2002 CIA-RDP91-00772R000100100065-5

APPROVED FOR RELEASE: Wednesday, May 22, 2002 CIA-RDP91-00772R000100100065-5

Microscopic Determination of Carbonates in Saline Soils, by I. Feofarova.

RUSSIAN, per, Trudy Pochvennogo Instituta Imeni Dokuchaeva, Vol LIII, 1958, pp 75-88.

CSIRO Tr 4412

Sep 62

APPROVED FOR RELEASE: Wednesday, May 22, 2002 CIA-RDP91-00772R000100100065-5

APPROVED FOR RELEASE: Wednesday, May 22, 2002 CIA-RDP91-00772R000100100065-5

Kaganovskaya, S.M. 1937

The validity of estimating length and rate of growth from scales from various sections of the sardine (Sardinops melanostiota)

Biulleten PINRO, 12, Vladivostok: 115-123. In Russian.

Transl. by Anatole S. Loukashkin, June 1953, 16p., typescript.

Avail. on Loan - NMFS, Wash., D.C.

Original Article Checked MK

APPROVED FOR RELEASE: Wednesday, May 22, 2002 CIA-RDP91-00772R000100100065-5

APPROVED FOR RELEASE: Wednesday, May 22, 2002 CIA-RDP91-00772R000100100065-5

Kaganovskaya, S.M. 1939
Morphological characteristics of the iwassi-sardine (Sardinops melanosticta Temm. et Schl.)
Bulletin PINRO, 14, Vladivostok: 45-64. In Russian.

Transl. by Anatole S. Louknashkin, Sep. 1953, 30p., typescript.

Avail. on Loan - NMFS, Wash., D.C.

Original Article Checked. MK

APPROVED FOR RELEASE: Wednesday, May 22, 2002 CIA-RDP91-00772R000100100065-5

APPROVED FOR RELEASE: Wednesday, May 22, 2002 CIA-RDP91-00772R000100100065-5

Mosentsova, T.N. 1939

The seasonal changes in the microplankton in Barents Sea (Sezonnye izmeneniya mikroplanktona v Barentsevom more) Trudy Polyarnogo nauchno-issledovatel'skogo instituta morskogo rybnogo khoziaistva i okeanografii im. pochetnogo chlena Akademii nauk SSSR professora N.M. Knipovicha (PINRO), 4, Murmansk; 129-147. In Russian.

Transl. by Transl. Bur., Fgn. Lang. Div., Dept. of Sec. of State of Canada, for FRBC Arctic Biological Station, Ste. Anne de Bellevue, 1971, as Transl. Series No. 1832, 33p., typescript.

Avail. on Loan - NMFS, Wash., D.C.

Original Article Checked: MK

APPROVED FOR RELEASE: Wednesday, May 22, 2002 CIA-RDP91-00772R000100100065-5

APPROVED FOR RELEASE: Wednesday, May 22, 2002 CIA-RDP91-00772R000100100065-5

Results of the Marking of Demersal Fishes of the Barents Sea During the Period 1946-1955, by K. N. Konstantinov.

RUSSIAN, per, Trudy Poliarnogo Inst Morskogo Rhnogo Obsh.sh, No 10, 1957, pp 78-87.

HLL Ref: 5888.4 1959 (5,237)
(loan)

236,110

Sci - Biol & Med Sci
Jul 63

APPROVED FOR RELEASE: Wednesday, May 22, 2002 CIA-RDP91-00772R000100100065-5

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Hydrological Investigations in the Kopytov Area,
by I. M. Adrov.

RUSSIAN, par, Trudy Poliarnogo Inst Nauchnoy
Rukovodstvo Obshch, No 10, 1957, pp 198-211.

NLL Ref: 5828.4 1959 (5,239)
(Loan)

Sci - Earth Sci & Astron
Jul 63

236,095

APPROVED FOR RELEASE: Wednesday, May 22, 2002 CIA-RDP91-00772R000100100065-5

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Distribution and Migration ofxx the Capelin in the Barents Sea During the Period 1945-1952.

RUSSIAN, per, Trudy Poliarnogo Inst Nauchnoy Rhozgo Obshch, No 10, 1957, pp 212-229.

HLL Ref: 5828.4 1959 (5,234)
(Loan)

Biol + Med Sci

~~Earth Sci & Astron~~

236,891

Sci
Jul 63

APPROVED FOR RELEASE: Wednesday, May 22, 2002 CIA-RDP91-00772R000100100065-5

APPROVED FOR RELEASE: Wednesday, May 22, 2002 CIA-RDP91-00772R000100100065-5

On the Migrations and Spawning the Barents Sea Capelin in 1953 and 1954, by V. S. Prokhorov.

RUSSIAN, per, Trudy Poliarnogo Inst Morskogo Rhnogo Khoz, No 10, 1957, pp 230-243.

NEL Ref: 5828.4 1959 (5,235)
(Loan)

236/12

Sci - Biol & Med Sci
Jul 63

APPROVED FOR RELEASE: Wednesday, May 22, 2002 CIA-RDP91-00772R000100100065-5

APPROVED FOR RELEASE: Wednesday, May 22, 2002 CIA-RDP91-00772R000100100065-5

Abramov, G. A., Kostyukov, A. A., and Nordvik, L. V.
THE EFFECT OF ADDITIONS OF MAGNESIUM FLUORIDE AND LITHIUM CRYOLITE ON THE ELECTRICAL CONDUCTIVITY OF CRYOLITE-ALUMINA MELTS. [1964] 6p
Order from ATS $7.25 ATS-94R74R

Trans. of Politekhn[icheskii] Inst[itut] Leningr[ad]. Tr[udy] (USSR) 1957, no. 188, p. 40-44.

(Physics--Solid State, TT, v. 11, no. 12)

TT-64-12743

I. Abramov, G. A.
II. Kostyukov, A. A.
III. Nordvik, L. V.
IV. ATS-94R74R
V. Associated Technical Services, Inc., East Orange, N. J.

Office of Technical Services

APPROVED FOR RELEASE: Wednesday, May 22, 2002 CIA-RDP91-00772R000100100065-5

APPROVED FOR RELEASE: Wednesday, May 22, 2002 CIA-RDP91-00772R000100100065-5

Shevandin, E. M., Navrotskii, D. I., and Reshetnikova, R. E.
FATIGUE TESTING OF WELDED JOINTS IN LOW ALLOY AND LOW CARBON STEELS (Ustaloostnye Ispytaniya Svarnykh Soedinenni Nizkolegirovannoi i Malouglerodistoi Stali). Feb 64 [15p] 1ref RTS-2416. Order from OTS, SLA, or ETC $1.60 TT-64-13739

Trans. of Politekhn[icheskii] In[stitut] Leningrad. Trudy, 1958, no. 199, p. 64-74.

DESCRIPTORS: *Steel, *Welds, Fatigue (Mechanics).

(Metallurgy, TT, v. 11, no. 9)

TT-64-13739

I. Shevandin, E. M.
II. Navrotskii, D. I.
III. Reshetnikova, R. E.
IV. RTS-2416
V. National Lending Library for Science and Technology, Boston Spa (England)

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APPROVED FOR RELEASE: Wednesday, May 22, 2002 CIA-RDP91-00772R000100100065-5

APPROVED FOR RELEASE: Wednesday, May 22, 2002 CIA-RDP91-00772R000100100065-5

ANNEX

THE PROGRESS OF THE FISHERY ON THE NORTHERN SLOPE OF GOOSE BANK IN RELA.ION TO THE HYDROLOGICAL CONDITIONS, BY A. A. ELIZAROV.

RUSSIAN, PER, TRUDY PINRO, VOL XI, 1959, PP 142-148.

DEPT OF INTERIOR
SH211 E62 NO 390

SCI - BIOLOGY

NOV 12

216,726

APPROVED FOR RELEASE: Wednesday, May 22, 2002 CIA-RDP91-00772R000100100065-5

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The Data on the Biology and Commercial Sealing of the Jan-Mayen Greenland and Hooded Seals in the Western Ice, by S. S. Surkov.
RUSSIAN, per, PINRO, Vol 12, 1960, pp 88-105.
*Dept of Navy NOO Trans 538

May 71

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Data on the Study of the White Whale Distribution in the Northern Seas of the USSR, by S. Ye. Kleynenberg. RUSSIAN, per, PINRO, Vol 12, 1960, pp 127-145.
*Dept of Navy NOO Trans 539

May 7k

APPROVED FOR RELEASE: Wednesday, May 22, 2002 CIA-RDP91-00772R000100100065-5

APPROVED FOR RELEASE: Wednesday, May 22, 2002 CIA-RDP91-00772R000100100065-5

The Characteristic of the Approach of the White Whales Toward the Shores, by M. N. Tarasevich.
RUSSIAN, per, PINRO, Vol 12, 1960, ppp 146-153.
*Dept of Navy NOO Trans 540

May 71

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